

**PATENT**

**Docket No.: 1743/224**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS: Hideo Todokoro et al.  
SERIAL NO. : (Con. of 09/477,060)  
FILED : (Herewith)  
FOR: SCANNING ELECTRON MICROSCOPE  
ART UNIT : 2881 (Anticipated)  
EXAMINER : David A. Vanore (Anticipated)

COMMISSIONER FOR PATENTS  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

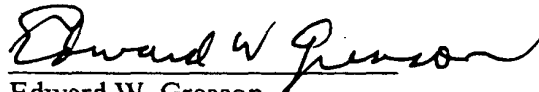
**ASSOCIATE POWER OF ATTORNEY**

**S I R :**

Please recognize John C. Altmiller, (Registration Number 25,951) and other registered practitioners of Kenyon & Kenyon included in the Customer Number provided below, with full power to prosecute said application, to make alterations and amendments therein, and to transact all business in the United States Patent and Trademark Office in connection therewith:

**CUSTOMER NUMBER: 23838**

Respectfully submitted,

By:   
Edward W. Greason  
Reg. No. 18,918

KENYON & KENYON  
One Broadway  
New York, N.Y. 10004  
Dated:

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION			ATTORNEY'S DOCKET NO. <span style="font-size: 1.5em; margin-left: 20px;">1743/143</span>																
<p>As a b i w named inventor, I hereby declare that:  My residence, post office address and citizenship are as stated below next to my name.  I believe I am the original, first and sole inventor (if only one name is listed below) or  an original, first and joint inventor (if plural names are listed below) of the subject matter which  is claimed and for which a patent is sought on the invention entitled _____  <u>SCANNING ELECTRON MICROSCOPE</u>  the specification of which  (check one)  <u>  X  </u> is attached hereto.  _____ was filed on _____ as Application Serial No. _____ and was  amended on _____ (if applicable).  I hereby state that I have reviewed and understand the contents of the above identified  specification, including the claims, as amended by any amendment referred to above.  I acknowledge the duty to disclose information which is material to the examination of this  application in accordance with Title 37, Code of Federal Regulations, §1.56(a).  I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any  foreign application(s) for patent or inventor's certificate listed below and have also identified  below any foreign application for patent or inventor's certificate having a filing date before that  of the application on which priority is claimed:  <p style="text-align: center;"><u>PRIOR FOREIGN APPLICATION(S)</u></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 25%;">COUNTRY</th> <th style="width: 25%;">APPLICATION NUMBER</th> <th style="width: 20%;">DATE OF FILING (day, month, year)</th> <th style="width: 20%;">DATE OF ISSUE (day, month, year)</th> <th style="width: 10%;">PRIORITY CLAIMED UNDER 35 USC 119</th> </tr> </thead> <tbody> <tr> <td>Japan</td> <td>11-222</td> <td>04/01/1999</td> <td></td> <td><input checked="" type="checkbox"/> YES    <input type="checkbox"/> NO</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td><input type="checkbox"/> YES    <input type="checkbox"/> NO</td> </tr> </tbody> </table> </p>					COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119	Japan	11-222	04/01/1999		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO					<input type="checkbox"/> YES <input type="checkbox"/> NO
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Japan	11-222	04/01/1999		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO															
				<input type="checkbox"/> YES <input type="checkbox"/> NO															
<p>I hereby claim the benefit under Title 35, United States Code, §120 of any United States  application(s) listed below and, insofar as the subject matter of each of the claims of this  application is not disclosed in the prior United States application in the manner provided by the  first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material  information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the  filing date of the prior application and the national or PCT international filing date of this  application:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 30%;">APPLICATION NO.</th> <th style="width: 35%;">FILING DATE (day, month, year)</th> <th style="width: 35%;">STATUS (i.e. Patented, Pending, Abandoned)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>					APPLICATION NO.	FILING DATE (day, month, year)	STATUS (i.e. Patented, Pending, Abandoned)												
APPLICATION NO.	FILING DATE (day, month, year)	STATUS (i.e. Patented, Pending, Abandoned)																	
<p><b>POWER OF ATTORNEY:</b> As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this  application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)</p> <p style="text-align: center; margin-top: 10px;">Edward W. Greason, Esq.  Reg. No. 18,918</p>																			
<p><b>SEND CORRESPONDENCE TO:</b></p> <p style="margin-top: 20px;">KENYON &amp; KENYON  One Broadway  New York, New York 10004</p>			<p><b>DIRECT TELEPHONE CALLS TO:</b>  <small>(name and telephone number)</small></p> <p style="margin-top: 10px;">Edward W. Greason  (212) 425-7200 X108</p>																

(continued)

Express Mail. EL039759636US.

201	FULL NAME OF INVENTOR	FAMILY NAME Todokoro	FIRST GIVEN NAME Hideo	SECOND GIVEN NAME -
	RESIDENCE & CITIZENSHIP	CITY Hinode-cho	STATE OR FOREIGN COUNTRY Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 2196-313, Hirai, Hinode-cho, Nishitama-gun, Tokyo 190-0182, Japan		
202	FULL NAME OF INVENTOR	FAMILY NAME Ezumi	FIRST GIVEN NAME Makoto	SECOND GIVEN NAME -
	RESIDENCE & CITIZENSHIP	CITY Mito-shi	STATE OR FOREIGN COUNTRY Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS 2-25-310, Baikou-cho 1-chome, Mito-shi, Ibaraki 310-0022, Japan		
203	FULL NAME OF INVENTOR	FAMILY NAME Usami	FIRST GIVEN NAME Yasutsugu	SECOND GIVEN NAME -
	RESIDENCE & CITIZENSHIP	CITY Toshima-ku	STATE OR FOREIGN COUNTRY Japan	COUNTRY OF CITIZENSHIP Japan
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Higashi Nagasaki House 1-304, 5-21, Nagasaki, Toshima-ku, Tokyo 171-0051, Japan		
204	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
205	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		
206	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 <i>Hideo Todokoro</i>	SIGNATURE OF INVENTOR 202 <i>Makoto Ezumi</i>	SIGNATURE OF INVENTOR 203 <i>Yasutsugu Usami</i>
DATE December 14, 1999	DATE December 14, 1999	DATE December 14, 1999
SIGNATURE OF INVENTOR 204	SIGNATURE OF INVENTOR 205	SIGNATURE OF INVENTOR 206
DATE	DATE	DATE



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

MARCH 31, 2000

PTAS

KENYON & KENYON  
EDWARD W. GREASON  
ONE BROADWAY  
NEW YORK, NY 10004



\*101247067A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/03/2000

REEL/FRAME: 010488/0836  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
TODOKORO, HIDEO

DOC DATE: 12/14/1999

ASSIGNOR:  
EZUMI, MAKOTO

DOC DATE: 12/14/1999

ASSIGNOR:  
USAMI, YASUTSUGU

DOC DATE: 12/14/1999

ASSIGNEE:  
HITACHI, LTD.  
6, KANDA SURUGADAI 4-CHOME  
CHIYODA-KU, TOKYO, JAPAN 101-8010

SERIAL NUMBER: 09477060  
PATENT NUMBER:

FILING DATE: 01/03/2000  
ISSUE DATE:

010488/0836 PAGE 2

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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101247067

To the Honorable Commissioner of Patents and Trademarks

Attached original documents or copy thereof.

## Name of conveying party(ies):

ideo TODOKORO, Makoto EZUMI,  
asutsugu USAMIAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_

Execution Date: 12/14/99

## 2. Name and address of receiving party(ies)

Name: HITACHI, LTD.

Internal Address: \_\_\_\_\_

Street Address: 6, Kanda Surugadai

4-chome, Chiyoda-ku, Tokyo 101-8010

Japan

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 12/14/99

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

## i. Name and address of party to whom correspondence concerning document should be mailed:

Name: Edward W. Greason

Internal Address: \_\_\_\_\_

Street Address: Kenyon &amp; Kenyon

One Broadway

City: New York, State: NY ZIP: 10004

## 6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account  
11-0600

## 8. Deposit account number:

11-0600

(Attach duplicate copy of this page if paying by deposit account)

8/2000 DNGUYEN 00000253 110600 09477060

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Edward W. Greason

Name of Person Signing

Signature

Jan. 3, 2000

Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:  
Commission of Patents & Trademarks, Box AssignmentsExpress Mail  
9203975963645

*Express Mail EL03.975963605*ASSIGNMENT

WHEREAS, WE, Hideo Todokoro, Makoto Ezumi &  
Yasutsugu Usami, citizens of  
Japan, residing at 2196-313, Hirai, Hinode-cho, Nishitama-gun, Tokyo  
190-0182, Japan; 2-25-310, Baikou-cho 1-chome, Mito-shi, Ibaraki 310-0022, Japan  
& Higashi Nagasaki House 1-304, 5-21, Nagasaki, Toshima-ku, Tokyo 171-0051, Japan  
respectively, have invented new and useful improvements in

SCANNING ELECTRON MICROSCOPE

for which we are about to make application for Letters Patent  
of the United States, said application having been executed by us  
on even date herewith; and

WHEREAS, Hitachi, Ltd.  
a Company of Japan, having its place of business at  
6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, Japan

(hereinafter referred to as the Assignee), is desirous of acquiring  
the entire right, title and interest in and to the application  
and the invention therein described and claimed and any Letters  
Patent that may be issued upon the application or for the  
improvements therein contained.

NOW, THEREFORE, for and in consideration of the  
equivalent sum of One Dollar (\$1.00) to us in hand paid, the  
receipt and sufficiency whereof is hereby acknowledged, we  
have sold, assigned and transferred, and do hereby sell, assign  
and transfer unto the Assignee, its successors and assigns, the  
entire right, title and interest in and to the application and  
the invention therein contained, including the right to apply  
for any Letters Patent in the United States of America on the  
invention, any any Letters Patent that may issue thereon or  
therefor, in the United States, and all reissues, extensions,

renewals, divisions and continuations thereof, to the full end of the term or terms for which the Letters Patent may be issued, the same to be held and enjoyed by the Assignee, its successors and assigns, the same as it would have been held and enjoyed by us if this Assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents to issue all such Letters Patent to the Assignee, its successors and assigns, in accordance with this instrument of Assignment.

We hereby represent and warrant that there are no rights and interests outstanding inconsistent with the rights and interests granted herein and that we will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and we bind ourselves, our heirs, executors, administrators and legal representatives, as the case may be, to execute and deliver to the Assignee, its successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by the Assignee, its successors and assigns, to vest in the Assignee, its successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States.

And we further covenant and agree, in consideration of the premises that we, our executors and administrators, will at any time upon request communicate to the Assignee, its successors and assigns, any facts relating to the invention and improvements and the history thereof, known to us or our executors and administrators, and that we will testify as to the same in any



interference or other litigation when requested so to do by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 14th day of December, 1999.

*Yideo Iodokoro*

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 14th day of December, 1999.

*Makoto Ezumi*

WITNESSED BY:

*Mari Yamagata*

Name

32-12, Kuji-cho 6-chome, Hitachi-shi,

Ibaraki 319-1222, Japan

Address

WITNESSED BY:

*Mari Yamagata*

Name

32-12, Kuji-cho 6-chome, Hitachi-shi,

Ibaraki 319-1222, Japan

Address

IN TESTIMONY WHEREOF, I have hereunto set my hand and  
seal this 14th day of December, 1999.

Yasuteru Usami

IN TESTIMONY WHEREOF, I have hereunto set my hand and  
seal this \_\_\_\_\_ day of \_\_\_\_\_, 19 .

WITNESSED BY:

Mari Yamagata  
Name

32-12, Kuji-cho 6-chome, Hitachi-shi,  
Ibaraki 319-1222, Japan  
Address

WITNESSED BY:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address